

NPDES PUBLIC NOTICE

Application for National Pollutant Discharge Elimination System (NPDES) Permit to Discharge to State Waters

Southeast Regional Office: *Regional Clean Water Program Manager, 2 E Main Street, Norristown, PA 19401. Phone: 484.250.5970, Email: RA-EPNPDES_SERO@pa.gov.*

PA0244449, Industrial, SIC Code 4911,4931, Marcus Hook Energy LP, 100 Green Street, Marcus Hook, PA 19061. Facility Name: Marcus Hook Generating Station. This existing facility is located in Marcus Hook Borough, Delaware County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Industrial Waste.

The receiving stream, Delaware River (WWF, MF), is located in State Water Plan watershed 3-G and is classified for Migratory Fishes and Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 4.32 MGD. - Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Daily Maximum	Minimum	Average Quarterly	Daily Maximum	IMAX
PCBs Dry Weather Analysis (pg/L)	XXX	XXX	XXX	XXX	Report	XXX

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Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Daily Maximum	Minimum	Average Quarterly	Daily Maximum	IMAX
Carbonaceous Biochemical Oxygen Demand (CBOD5)	1080 Avg Qrtly	2161	XXX	30.0	60.0	75
Bromide	XXX	XXX	XXX	Report	Report	XXX
Toxicity, Acute - Ceriodaphnia Survival (TUa)	XXX	XXX	XXX	XXX	Report	XXX
Toxicity, Acute - Pimephales Survival (TUa)	XXX	XXX	XXX	XXX	Report	XXX

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Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	IMAX
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0
Dissolved Oxygen	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.05	XXX	0.1
Temperature (°F)	XXX	XXX	XXX	XXX	XXX	95.0
Total Suspended Solids	1080	3602	XXX	30.0	100.0	XXX
Total Dissolved Solids	180144	360288	XXX	5000.0	10000.0	12500
Oil and Grease	540	720	XXX	15.0	20.0	XXX
Ammonia-Nitrogen	XXX	XXX	XXX	Report	Report	XXX
Copper, Total	XXX	XXX	XXX	Report	Report	XXX
Aluminum, Total	XXX	XXX	XXX	Report	Report	XXX
Chromium, Hexavalent	XXX	XXX	XXX	Report	Report	XXX

In addition, the permit contains the following major special conditions:

- A. Acquire Necessary Property Rights
- B. Proper Sludge Disposal
- C. WQM Permit Condition
- D. BAT/ELG Reopener
- E. Chlorine Optimization
- F. Thermal Impact
- G. Thermal Mixing Zone
- H. Annual Inspection of Stormwater
- I. WET Requirement
- J. Chemical Additives Requirement
- K. PCB/PMP Requirement
- L. Cooling Water Requirement

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 484-250-5910.

The EPA Waiver is not in effect